# LSM MANUAL – CARD MANAGEMENT

Version: July 2010

SimonsVoss technologies

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NOTE:

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**Please send any corrections or suggestions for improvement to Info@simons-voss.de.**

**Thank you in advance for your support.**

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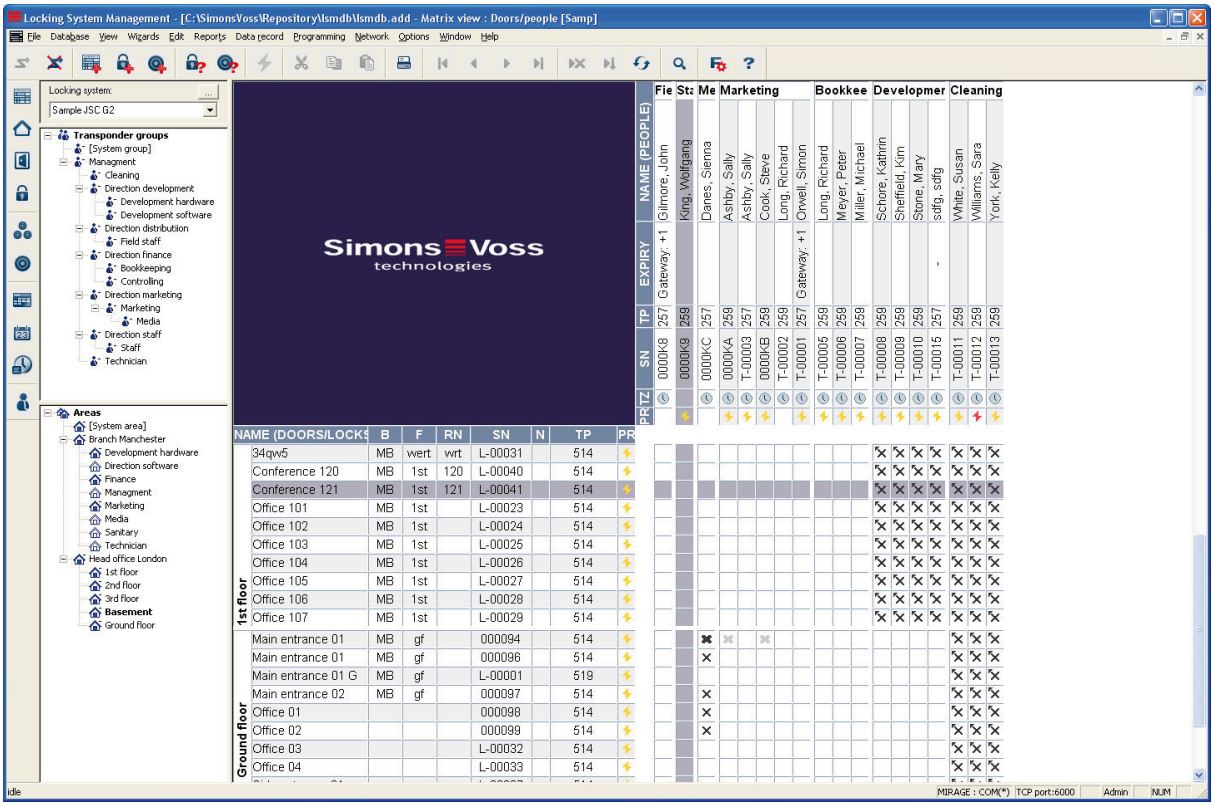
This manual applies to software without functional limitations. Functions or views in a customer's specific installation may deviate from these due to the software modules activated.

# 1. Introduction

**Locking System Management (LSM) from SimonsVoss is a database-supported software package that enables you to create, manage and control complex locking plans efficiently. This documentation serves as a guide to help you structure and configure your locking plan. It will also assist you later on when it comes to monitoring and controlling the locking system, making management of the system easier.**




## 1.1. IMPORTANT NOTE

**SimonsVoss Technologies AG shall assume no liability for damage caused by incorrect assembly or installation.**

**Access through a door may be denied if components are incorrectly assembled or programmed. SimonsVoss AG shall assume no liability for the consequences of incorrect installation, such as de-**

**nied access to injured persons or persons at risk, damage to property or any other form of damage.**

1.2.

## 1.3. UNDERSTANDING THIS MANUAL

### ➲ MENU ITEMS

**The LSM menu items are indicated in this manual by the ➲ symbol.**

Examples
**➲ Edit**
**➲ Area**

### HEADINGS AND CHECKBOXES

**Headings and checkboxes shown in the screenshots are differentiated by the use of inverted commas.**

Examples
**“User Groups”**
**“Areas”**

### BUTTONS

**Buttons shown in the screenshots are highlighted in grey.**

Examples
**OK**
**Apply**

### KEY COMBINATIONS

**The key combination you can use to start the required functions is shown in bold.**

Ctrl+Shift+X

### PATH SPECIFICATIONS

**If an instruction refers to a directory on a drive, the path is provided in italics.**

Example
**C:\Program files\SimonsVoss\LockSysGui**

NOTE

**The specification *[CDROM]* is a variable and describes the letter identifying the drive of the CDROM drive on the computer (e.g. “D”) on which installation is to be carried out.**

# 2. MANAGING THE LOCKING SYSTEM

## 1.4. LOCKING SYSTEM

### 1.4.1 GENERAL INFORMATION ABOUT THE LOCKING SYSTEM

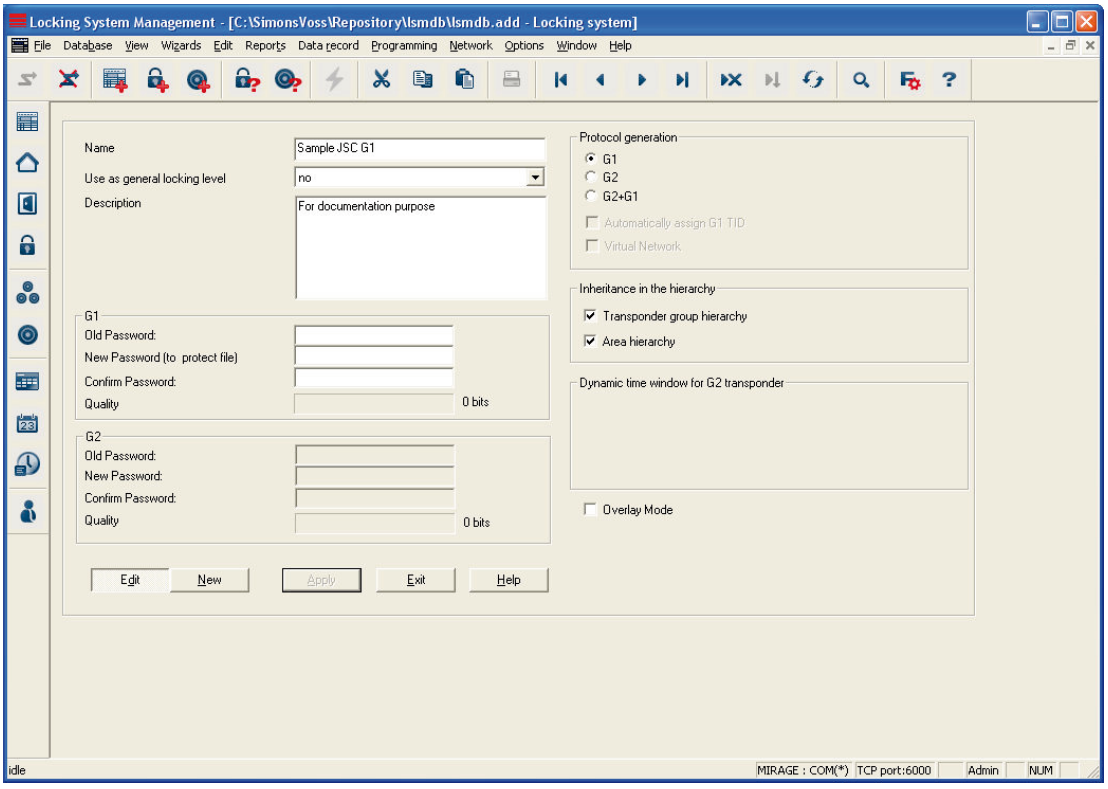
ICON

EXPLANATION

**A locking system consists of a group of locks and the associated transponders. In the software it is possible to create and manage multiple locking systems simultaneously. They are represented by a matrix.**

PROCEDURE

- ➲ **Edit**
- ➲ **Locking system**



EXPLANATION

| | | |
|---|---|---|
| **“Name”** | → | **Designation of locking system** |
| **“Use as overall locking level”** | → | **Determines the overall locking level** |
| **“Description”** | → | **Free field for describing the locking system** |
| **Log generation** | → | **Details of the log generation to be used for hardware components: G1, G2 or G1+G2**<br>**The card medium is only available for G1** |
| **“Inheritance in the hierarchy”** | → | **Authorisations from lower levels are passed on to the superordinate levels** |
| **“Operate in overlay mode ”** | → | **Activates overlay mode** |
| **Enter the passwords for the individual log generations** | | |
| **“Old password ”** | → | **If you change the password for the locking system, the existing password is entered here** |
| **“New password”** | → | **If you change the password for the locking system, the new password is entered here** |
| **“Confirm”** | → | **Re-enter the password to confirm it** |
| **“Quality”** | → | **Indicator (red to green) to show how secure the password is, at least 64 bits is required** |

## 1.4.2 LOCKING SYSTEM PROPERTIES

EXPLANATION

**In the locking system properties you can modify or view all information relating to the locking system. You can navigate to the individual properties using the tabs at the top.**

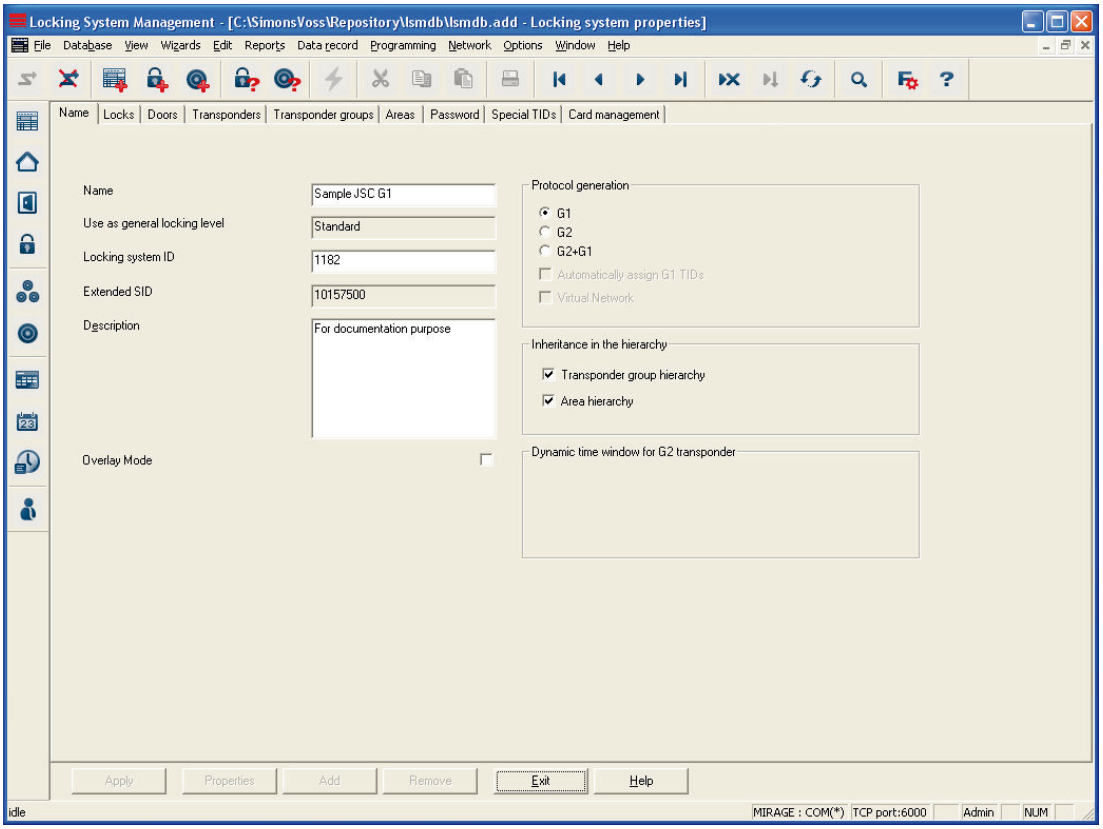
PROCEDURE

- **➲ Edit**
- **➲ Locking system properties**

**or**

- **Right-click on the locking system icon in the hierarchy tree**
- **Left-click on Properties**

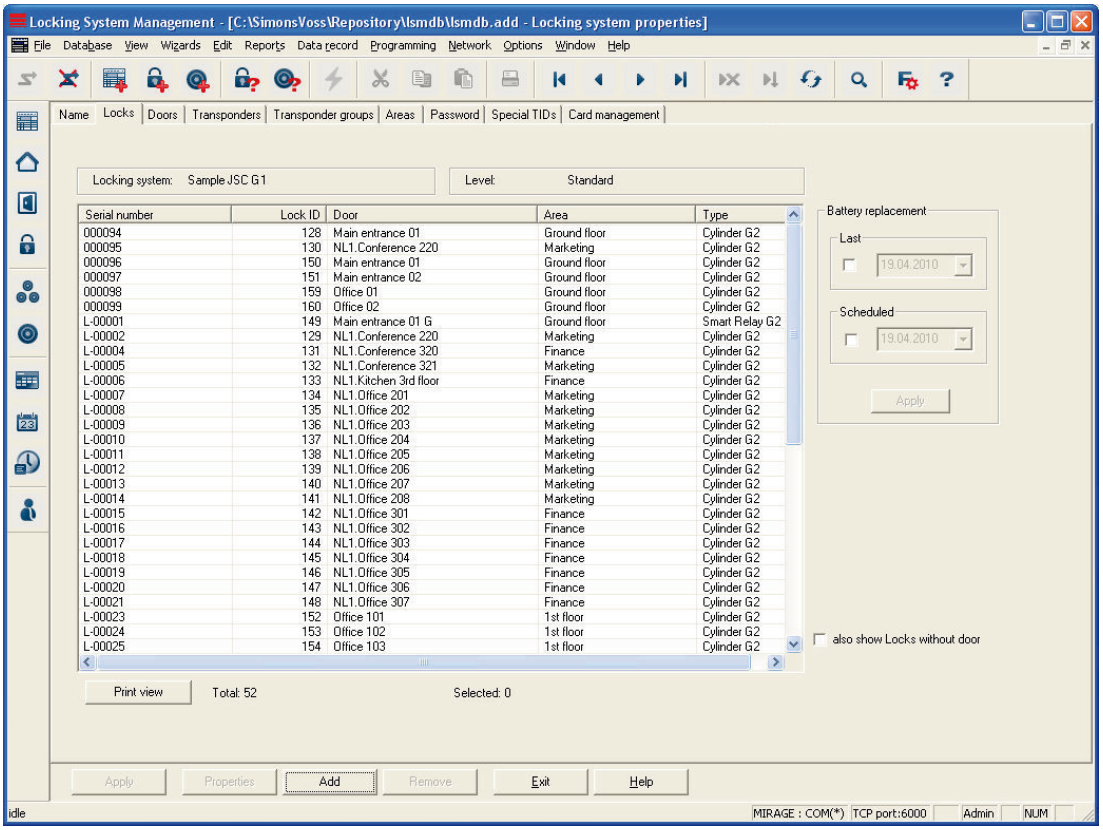
# LOCKING SYSTEM – NAME




# EXPLANATION

| | | |
|---|---|---|
| **“Name”** | → | **Designation of locking system** |
| **“Use as overall locking level”** | → | **Determines the overall locking level** |
| **“Locking system ID”** | → | **Number of locking system** |
| **“Extended locking system ID”** | → | **Internal number of locking system as an additional distinguishing feature** |
| **“Description”** | → | **Free field for describing the locking system** |
| **“Operate in overlay mode”** | → | **Activates overlay mode** |

# LOCKING SYSTEM – LOCKS

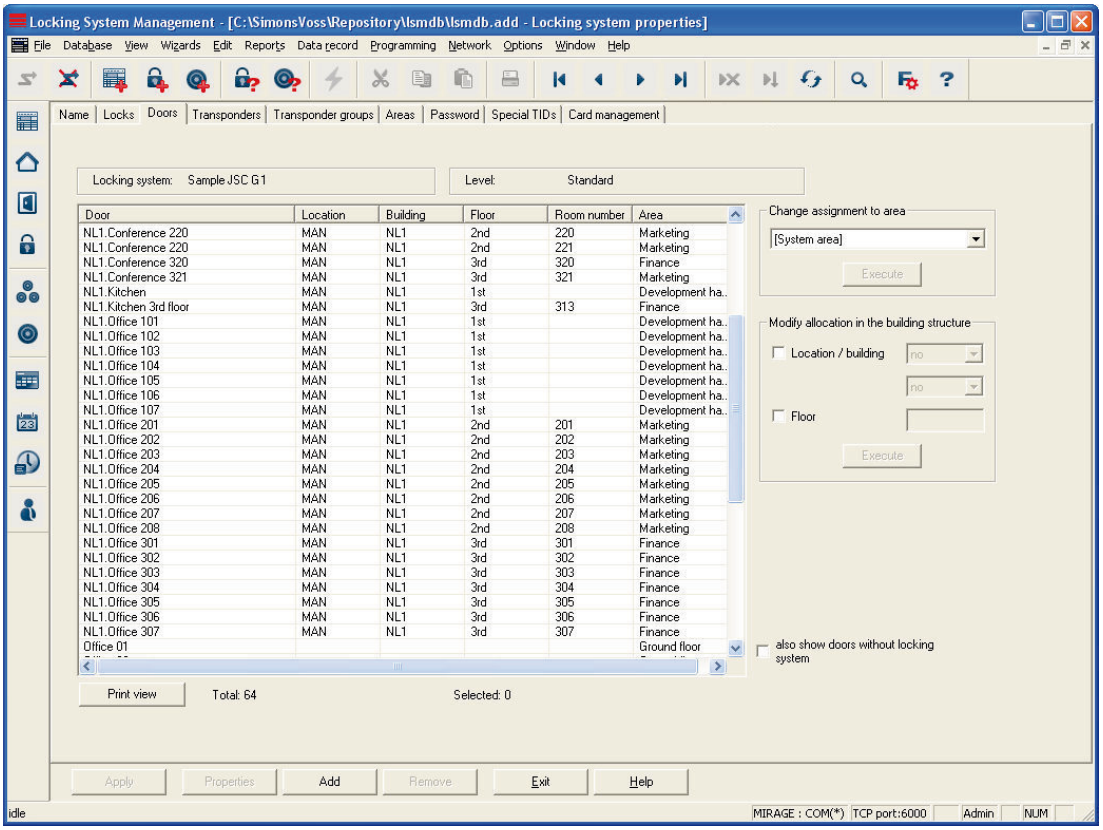

Locking System Management - [C:\SimonsVoss\Repository\lsmdb\lsmdb.add - Locking system properties]
File Database View Wizards Edit Reports Data record Programming Network Options Window Help
Name Locks Doors Transponders Transponder groups Areas Password Special TIDs Card management
Locking system: Sample JSC G1
Level: Standard
Serial number Lock ID Door Area Type
000094 128 Main entrance 01 Ground floor Cylinder G2
000095 130 NL1.Conference 220 Marketing Cylinder G2
000096 150 Main entrance 01 Ground floor Cylinder G2
000097 151 Main entrance 02 Ground floor Cylinder G2
000098 159 Office 01 Ground floor Cylinder G2
000099 160 Office 02 Ground floor Cylinder G2
L-00001 149 Main entrance 01 G Ground floor Smart Relay G2
L-00002 129 NL1.Conference 220 Marketing Cylinder G2
L-00004 131 NL1.Conference 320 Finance Cylinder G2
L-00005 132 NL1.Conference 321 Marketing Cylinder G2
L-00006 133 NL1.Kitchen 3rd floor Finance Cylinder G2
L-00007 134 NL1.Office 201 Marketing Cylinder G2
L-00008 135 NL1.Office 202 Marketing Cylinder G2
L-00009 136 NL1.Office 203 Marketing Cylinder G2
L-00010 137 NL1.Office 204 Marketing Cylinder G2
L-00011 138 NL1.Office 205 Marketing Cylinder G2
L-00012 139 NL1.Office 206 Marketing Cylinder G2
L-00013 140 NL1.Office 207 Marketing Cylinder G2
L-00014 141 NL1.Office 208 Marketing Cylinder G2
L-00015 142 NL1.Office 301 Finance Cylinder G2
L-00016 143 NL1.Office 302 Finance Cylinder G2
L-00017 144 NL1.Office 303 Finance Cylinder G2
L-00018 145 NL1.Office 304 Finance Cylinder G2
L-00019 146 NL1.Office 305 Finance Cylinder G2
L-00020 147 NL1.Office 306 Finance Cylinder G2
L-00021 148 NL1.Office 307 Finance Cylinder G2
L-00023 152 Office 101 1st floor Cylinder G2
L-00024 153 Office 102 1st floor Cylinder G2
L-00025 154 Office 103 1st floor Cylinder G2
Battery replacement
Last
19.04.2010
Scheduled
19.04.2010
Apply
also show Locks without door
Print view
Total: 52
Selected: 0
Apply Properties Add Remove Exit Help
idle
MIRAGE : COM(*) TCP port:6000
Admin
NUM

## EXPLANATION

**Table** → **Overview of all locks in the locking system**

**“Battery change”** → **Here, you can enter the date of the battery change under “Last”.**
**“Scheduled” battery changes are shown in the alert monitor and the action list for each lock.**
**In the action list for a particular lock you can also enter the last and a scheduled battery change for several locks at the same time.**

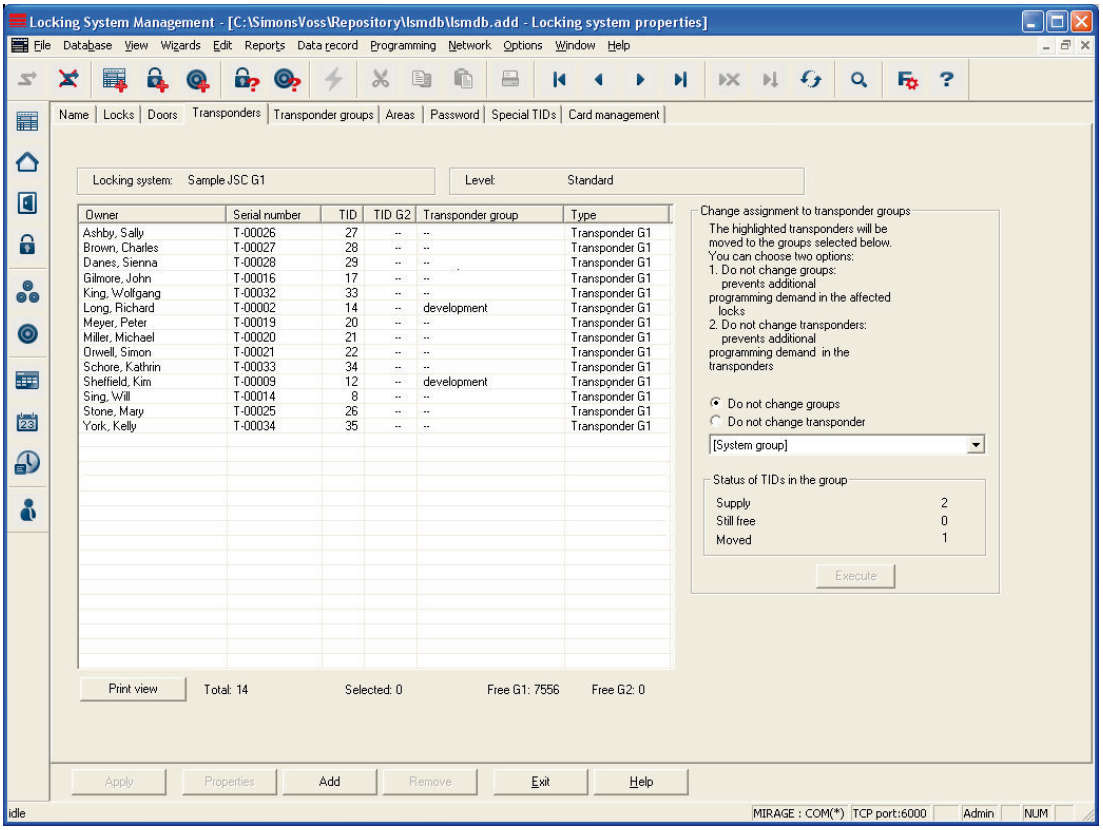
## Locking system – doors


Locking System Management - [C:\SimonsVoss\Repository\lsmdb\lsmdb.add - Locking system properties]
File Database View Wizards Edit Reports Data record Programming Network Options Window Help
Name Locks Doors Transponders Transponder groups Areas Password Special TIDs Card management
Locking system: Sample JSC G1
Level: Standard
Door Location Building Floor Room number Area
NL1.Conference 220 MAN NL1 2nd 220 Marketing
NL1.Conference 220 MAN NL1 2nd 221 Marketing
NL1.Conference 320 MAN NL1 3rd 320 Finance
NL1.Conference 321 MAN NL1 3rd 321 Marketing
NL1.Kitchen MAN NL1 1st Development ha..
NL1.Kitchen 3rd floor MAN NL1 3rd 313 Finance
NL1.Office 101 MAN NL1 1st Development ha..
NL1.Office 102 MAN NL1 1st Development ha..
NL1.Office 103 MAN NL1 1st Development ha..
NL1.Office 104 MAN NL1 1st Development ha..
NL1.Office 105 MAN NL1 1st Development ha..
NL1.Office 106 MAN NL1 1st Development ha..
NL1.Office 107 MAN NL1 1st Development ha..
NL1.Office 201 MAN NL1 2nd 201 Marketing
NL1.Office 202 MAN NL1 2nd 202 Marketing
NL1.Office 203 MAN NL1 2nd 203 Marketing
NL1.Office 204 MAN NL1 2nd 204 Marketing
NL1.Office 205 MAN NL1 2nd 205 Marketing
NL1.Office 206 MAN NL1 2nd 206 Marketing
NL1.Office 207 MAN NL1 2nd 207 Marketing
NL1.Office 208 MAN NL1 2nd 208 Marketing
NL1.Office 301 MAN NL1 3rd 301 Finance
NL1.Office 302 MAN NL1 3rd 302 Finance
NL1.Office 303 MAN NL1 3rd 303 Finance
NL1.Office 304 MAN NL1 3rd 304 Finance
NL1.Office 305 MAN NL1 3rd 305 Finance
NL1.Office 306 MAN NL1 3rd 306 Finance
NL1.Office 307 MAN NL1 3rd 307 Finance
Office 01 Ground floor
Change assignment to area
[System area]
Execute
Modify allocation in the building structure
Location / building
Floor
Execute
also show doors without locking system
Print view
Total: 64
Selected: 0
Apply Properties Add Remove Exit Help
idle
MIRAGE : COM(*) TCP port:6000 Admin NUM

EXPLANATION

| | | |
|---|---|---|
| **Table** | → | **Overview of all doors in the locking system** |
| **“Assignment to area…”** | → | **You can change the area assignment of one or more doors at the same time.** |
| **“Change assignment of building structure”** | → | **You can change the building assignment or floor of one or more doors at the same time.** |

# LOCKING SYSTEM – TRANSPONDERS

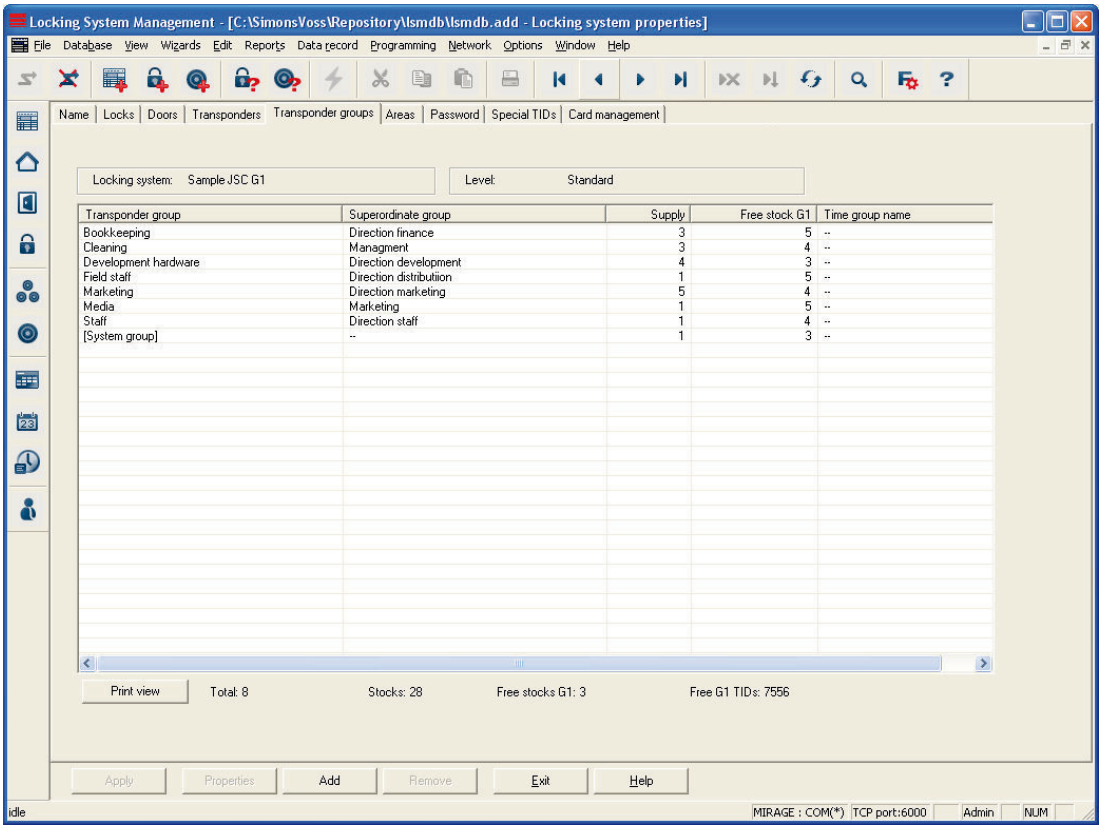

Locking System Management - [C:\SimonsVoss\Repository\lsmdb\lsmdb.add - Locking system properties]
File Database View Wizards Edit Reports Data record Programming Network Options Window Help
Name Locks Doors Transponders Transponder groups Areas Password Special TIDs Card management
Locking system: Sample JSC G1
Level: Standard
Owner Serial number TID TID G2 Transponder group Type
Ashby, Sally T-00026 27 -- -- Transponder G1
Brown, Charles T-00027 28 -- -- Transponder G1
Danes, Sienna T-00028 29 -- -- Transponder G1
Gilmore, John T-00016 17 -- -- Transponder G1
King, Wolfgang T-00032 33 -- -- Transponder G1
Long, Richard T-00002 14 -- development Transponder G1
Meyer, Peter T-00019 20 -- -- Transponder G1
Miller, Michael T-00020 21 -- -- Transponder G1
Orwell, Simon T-00021 22 -- -- Transponder G1
Schore, Kathrin T-00033 34 -- -- Transponder G1
Sheffield, Kim T-00009 12 -- development Transponder G1
Sing, Will T-00014 8 -- -- Transponder G1
Stone, Mary T-00025 26 -- -- Transponder G1
York, Kelly T-00034 35 -- -- Transponder G1
Change assignment to transponder groups
The highlighted transponders will be moved to the groups selected below.
You can choose two options:
1. Do not change groups: prevents additional programming demand in the affected locks
2. Do not change transponders: prevents additional programming demand in the transponders
Do not change groups
Do not change transponder
[System group]
Status of TIDs in the group
Supply 2
Still free 0
Moved 1
Execute
Print view
Total: 14
Selected: 0
Free G1: 7556
Free G2: 0
Apply Properties Add Remove Exit Help
idle
MIRAGE : COM(*) TCP port:6000
Admin
NUM

# EXPLANATION

| | | |
|---|---|---|
| **Table** | → | **Overview of all transponders in the locking system** |
| **“Do not modify groups”** | → | **The selected transponder(s) are relocated to a different group. The transponders are given a TID from the reserve for the new transponder group. This means the transponders will need to be programmed.** |
| **“Do not modify transponders”** | → | **The selected transponder(s) are relocated to a different group. The transponders keep the same transponder ID. This** |

**means the locks for which the transponder's old and new transponder groups are or were authorised will need to be programmed.**

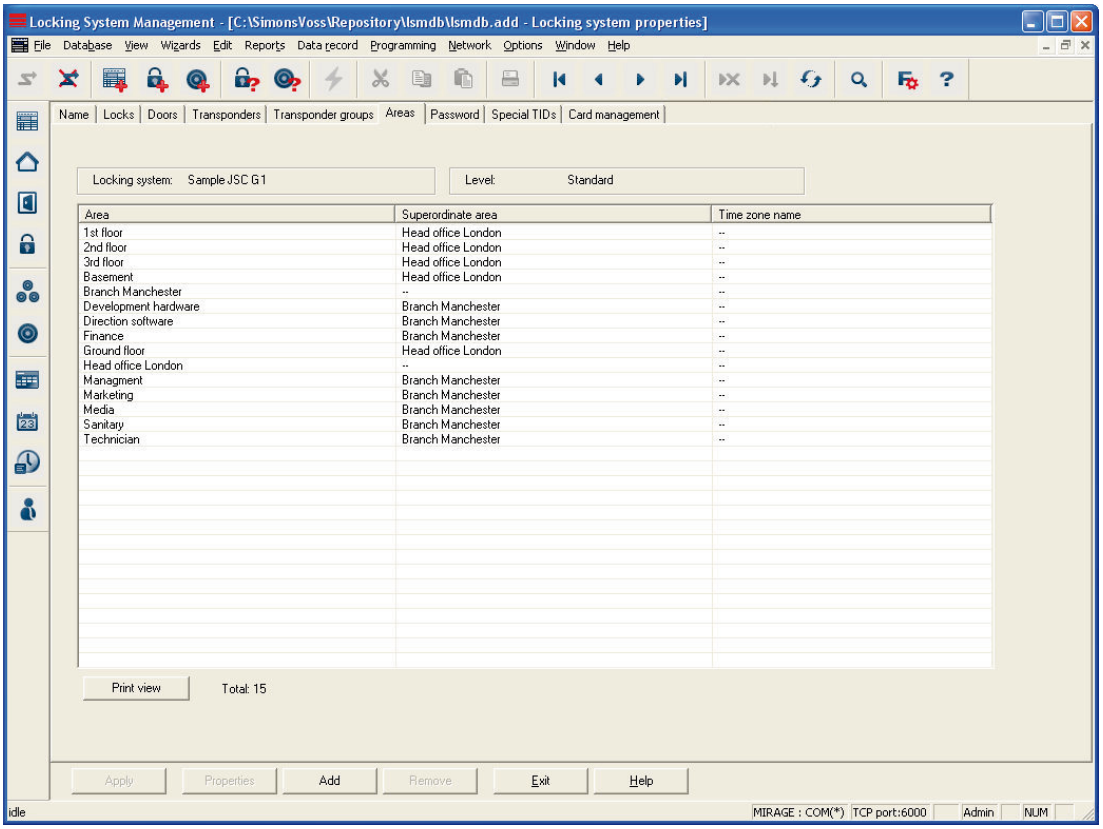
# LOCKING SYSTEM – TRANSPONDER GROUPS


Locking System Management - [C:\SimonsVoss\Repository\lsmdb\lsmdb.add - Locking system properties]
File Database View Wizards Edit Reports Data record Programming Network Options Window Help
Name | Locks | Doors | Transponders | Transponder groups | Areas | Password | Special TIDs | Card management
Locking system: Sample JSC G1
Level: Standard
Transponder group | Superordinate group | Supply | Free stock G1 | Time group name
Bookkeeping | Direction finance | 3 | 5 | --
Cleaning | Managment | 3 | 4 | --
Development hardware | Direction development | 4 | 3 | --
Field staff | Direction distribution | 1 | 5 | --
Marketing | Direction marketing | 5 | 4 | --
Media | Marketing | 1 | 5 | --
Staff | Direction staff | 1 | 4 | --
[System group] | -- | 1 | 3 | --
Print view
Total: 8
Stocks: 28
Free stocks G1: 3
Free G1 TIDs: 7556
Apply
Properties
Add
Remove
Exit
Help
idle
MIRAGE : COM(*) TCP port:6000
Admin
NUM

## EXPLANATION

**Table** → **Overview of all transponder groups in the locking system**

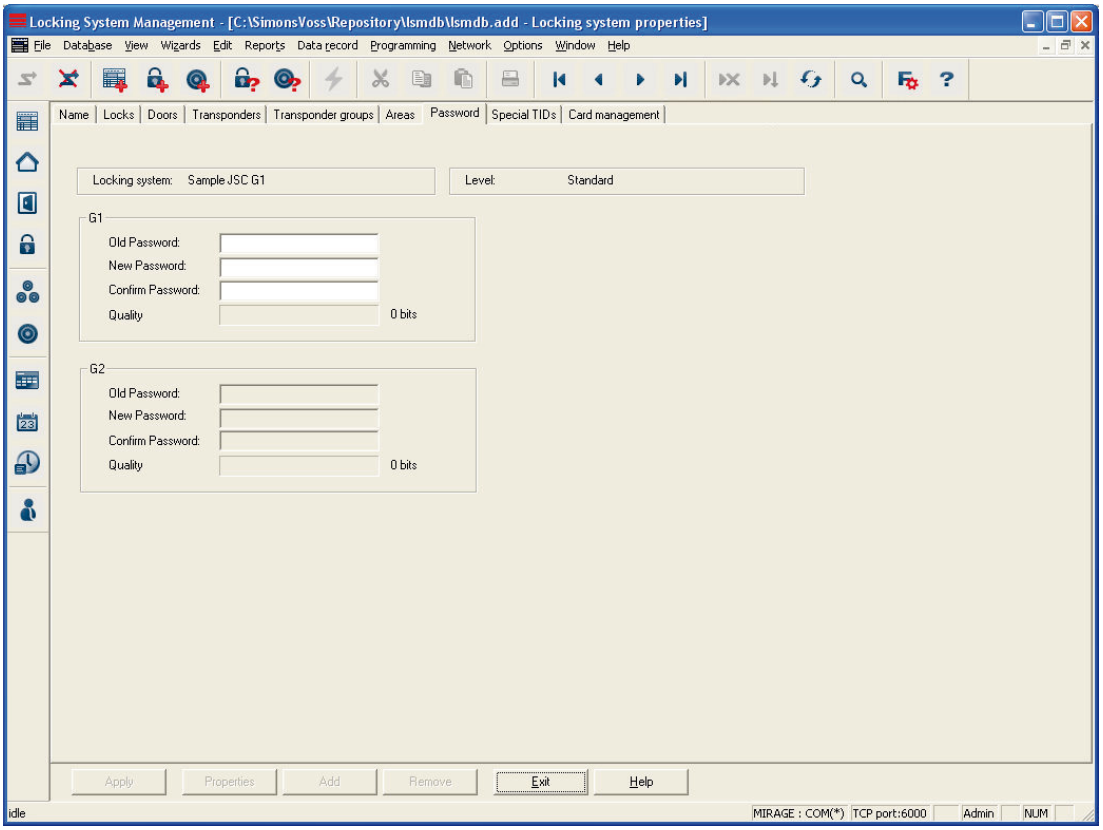
# LOCKING SYSTEMS – AREAS


Locking System Management - [C:\SimonsVoss\Repository\lsmdb\lsmdb.add - Locking system properties]
File Database View Wizards Edit Reports Data record Programming Network Options Window Help
Name Locks Doors Transponders Transponder groups Areas Password Special TIDs Card management
Locking system: Sample JSC G1
Level: Standard
Area | Superordinate area | Time zone name
1st floor | Head office London | --
2nd floor | Head office London | --
3rd floor | Head office London | --
Basement | Head office London | --
Branch Manchester | -- | --
Development hardware | Branch Manchester | --
Direction software | Branch Manchester | --
Finance | Branch Manchester | --
Ground floor | Head office London | --
Head office London | -- | --
Managment | Branch Manchester | --
Marketing | Branch Manchester | --
Media | Branch Manchester | --
Sanitary | Branch Manchester | --
Technician | Branch Manchester | --
Print view
Total: 15
Apply Properties Add Remove Exit Help
idle
MIRAGE : COM(*) TCP port:6000 Admin NUM

## EXPLANATION

**Table** → **Overview of all of the areas in the locking system**

# LOCKING SYSTEM – PASSWORD

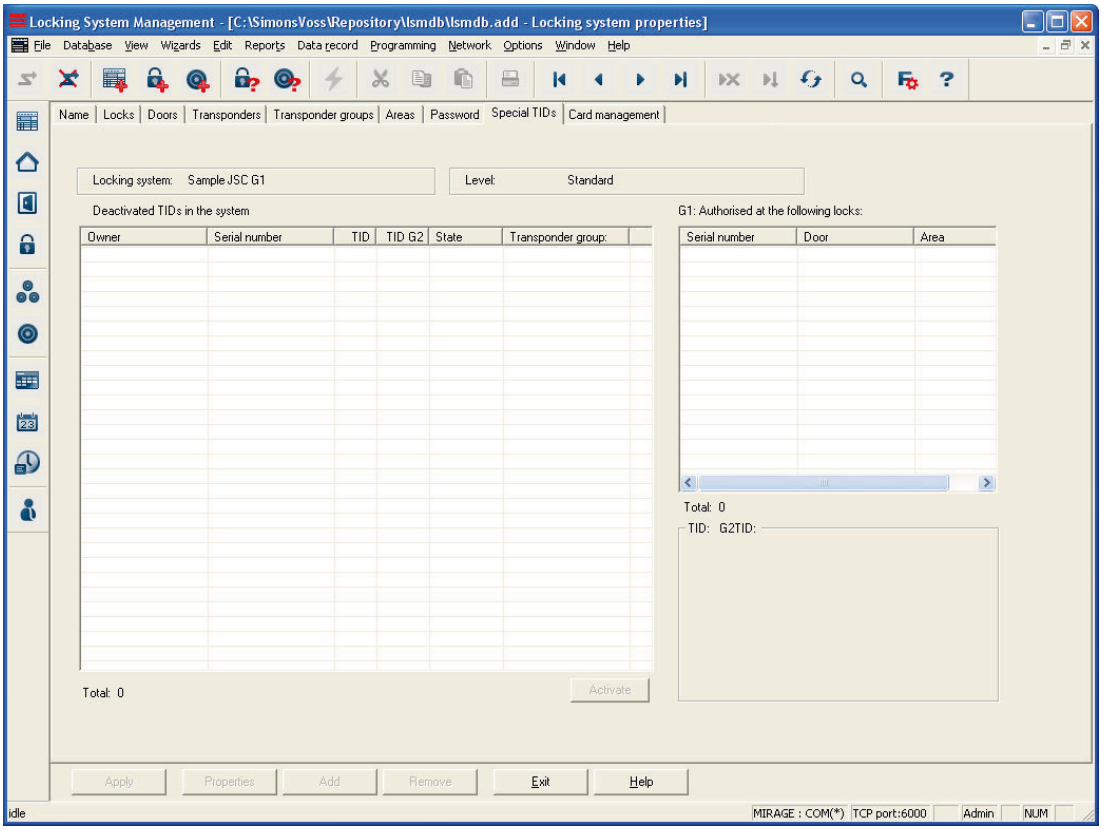



## EXPLANATION

**Here, you can change the locking system password used to program components.**

Please note:
If you change the password of an existing locking system with programmed components, all available components (locks, transponders, ...) must be reprogrammed.

# LOCKING SYSTEM – SPECIAL TIDS


Locking System Management - [C:\SimonsVoss\Repository\lsmdb\lsmdb.add - Locking system properties]
File Database View Wizards Edit Reports Data record Programming Network Options Window Help
Name Locks Doors Transponders Transponder groups Areas Password Special TIDs Card management
Locking system: Sample JSC G1
Level: Standard
Deactivated TIDs in the system
Owner Serial number TID TID G2 State Transponder group:
Total: 0
Activate
G1: Authorised at the following locks:
Serial number Door Area
Total: 0
TID: G2TID:
Apply Properties Add Remove Exit Help
idle
MIRAGE : COM(*) TCP port:6000
Admin
NUM

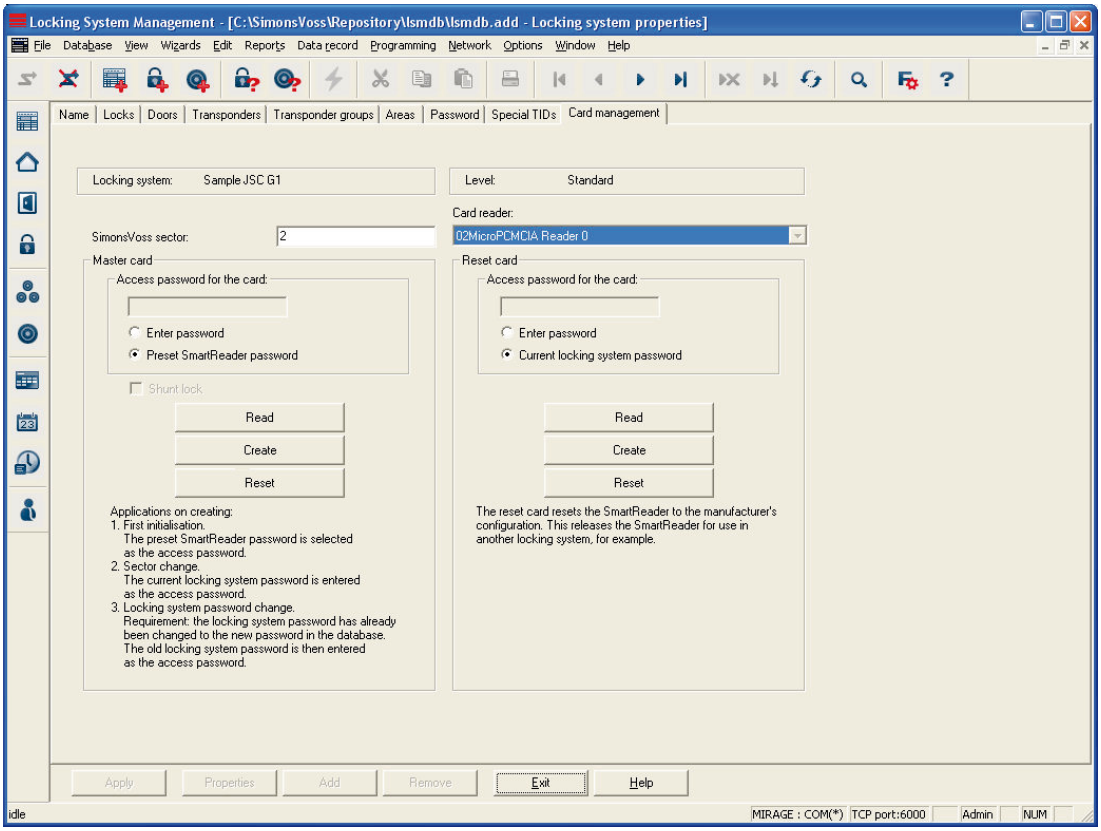
## EXPLANATION

| | | |
|---|---|---|
| **Left-hand table** | → | **Overview of all the transponder IDs that are no longer active** |
| **Right-hand table** | → | **Overview of all locks for which the selected transponders in the right-hand table are authorised. You can implement restrictions by selecting “Locks” in the middle of the window** |
| **“All”** | → | **All of the transponders are displayed in the left-hand table** |
| **“Deactivated”** | → | **Only the deactivated transponders are displayed in the left-hand table** |
| **“Activated”** | → | **Only the active transponders** |

| | | |
|---|---|---|
| | | **are displayed in the left-hand table** |
| **“Target”** | → | **All of the locks for which the selected transponder is authorised in the matrix are displayed** |
| **“Actual”** | → | **All of the locks for which the transponder is actually authorised are displayed** |

## LOCKING SYSTEM – CARD MANAGEMENT

**In this view, you can make all of the basic settings which will also enable you to use a card as a key medium in a SimonsVoss locking system. You must only use the device approved by SimonsVoss to program the approved cards. This can be ordered using the product name SmartCD.C.**


Locking System Management - [C:\SimonsVoss\Repository\lsmdb\lsmdb.add - Locking system properties]
File Database View Wizards Edit Reports Data record Programming Network Options Window Help
Name Locks Doors Transponders Transponder groups Areas Password Special TIDs Card management
Locking system: Sample JSC G1
Level: Standard
SimonsVoss sector: 2
Card reader:
02MicroPCMCIA Reader 0
Master card
Access password for the card:
Enter password
Preset SmartReader password
Shunt lock
Read
Create
Reset
Applications on creating:
1. First initialisation.
The preset SmartReader password is selected as the access password.
2. Sector change.
The current locking system password is entered as the access password.
3. Locking system password change.
Requirement: the locking system password has already been changed to the new password in the database.
The old locking system password is then entered as the access password.
Reset card
Access password for the card:
Enter password
Current locking system password
Read
Create
Reset
The reset card resets the SmartReader to the manufacturer's configuration. This releases the SmartReader for use in another locking system, for example.
Apply Properties Add Remove Exit Help
idle
MIRAGE : COM(*) TCP port:6000 Admin NUM

## EXPLANATION

**“SimonsVoss sector”** → **Determines the sector used by the card**

**“Card reader”** → **Determines the standard programming device for cards (OMNIKEY CardMan 5x21-CL 0)**

| | | |
|---|---|---|
| **Master card** | → | **You can use a master card to approve the SmartReaders also required for the locks in the locking system. Only then can the locks evaluate the information on the user card.** |
| **“Access password”** | → | **This password protects access to the master sector on the card.** |
| **“Enter password”** | → | **Here you can manually enter an access password for the SmartReader.** |
| **“Preset SmartReader password”** | → | **Uses the standard SimonsVoss password to initialise the SmartReader.** |
| **“Shunt lock”** | → | **This setting prepares the SmartReader to be used in conjunction with an activation unit.** |
| **Read** | → | **Reads an available card and checks the master sector** |
| **Create** | → | **Creates a master card** |
| **Reset** | → | **Resets a programmed master card** |
| **Reset card** | → | **A reset card is used to reset the assigned SmartReaders in a locking system. They can then continue to be used in other systems or after the password has been changed.** |
| **“Access password”** | → | **This password protects access to the master sector of the card.** |
| **“Enter password”** | → | **Here you can manually enter an access password for the SmartReader.** |

| | | |
|---|---|---|
| **“Current locking system password”** | → | **Uses the locking system password to reset the SmartReader.** |
| **Read** | → | **Reads and checks an available card** |
| **Create** | → | **Creates a reset card** |
| **Reset** | → | **Resets a programmed reset card** |

# 1.5. TRANSPONDERS

## 1.5.1 GENERAL

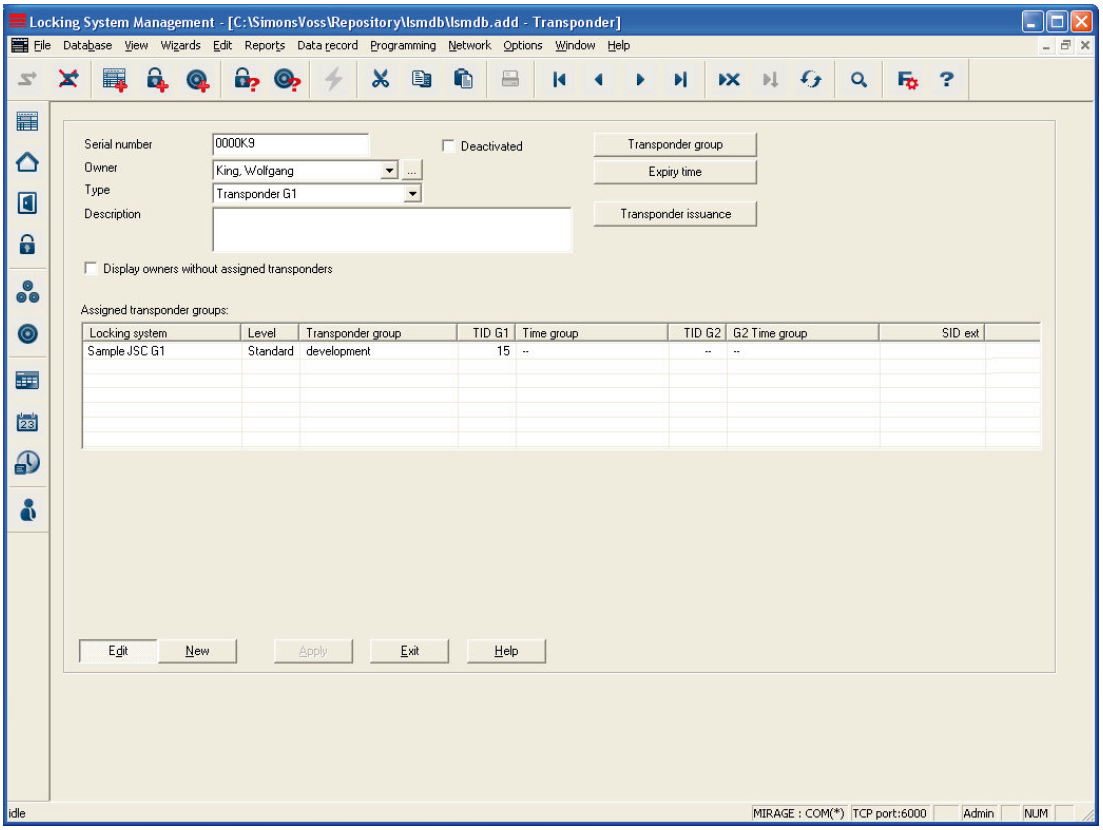
ICON

### EXPLANATION

**Transponders are the “keys” for digital locking systems. You can use transponders to operate digital locks. At SimonsVoss, the term transponders also includes cards as passive media. Where features apply only to cards, this is specifically indicated, but in all other cases, the explanations apply to both a transponder and the card medium.**

### PROCEDURE

- ➲ **Edit**
- ➲ **Transponder**



EXPLANATION

| | | |
|---|---|---|
| **“Serial number”** | → | **Serial number of transponder** |
| **“Owner”** | → | **Person transponder is assigned to** |
| **„…“** | → | **Jumps to properties for person** |
| **“Type”** | → | **Type of transponder, e.g. card** |
| **“Description”** | → | **Free field for describing the transponder** |
| **“Assigned transponder gr.”** | → | **Transponder group to which transponder belongs** |
| **“Deactivated”** | → | **Indicates whether transponder is deactivated or not** |
| **“Owner without assigned…”** | → | **Filter for selecting owners** |
| **Transponder group** | → | **Option of moving transponder to a different transponder group.** |
| **Period of validity** | → | **Period in which the transponder functions (not possible for cards)** |
| **Transponder issue** | → | **Displays the form to be signed** |

## 1.5.2 TRANSPONDER PROPERTIES

EXPLANATION

**In the transponder properties you can modify or view all information relating to the transponder. You can navigate to the individual properties using the tabs at the top.**

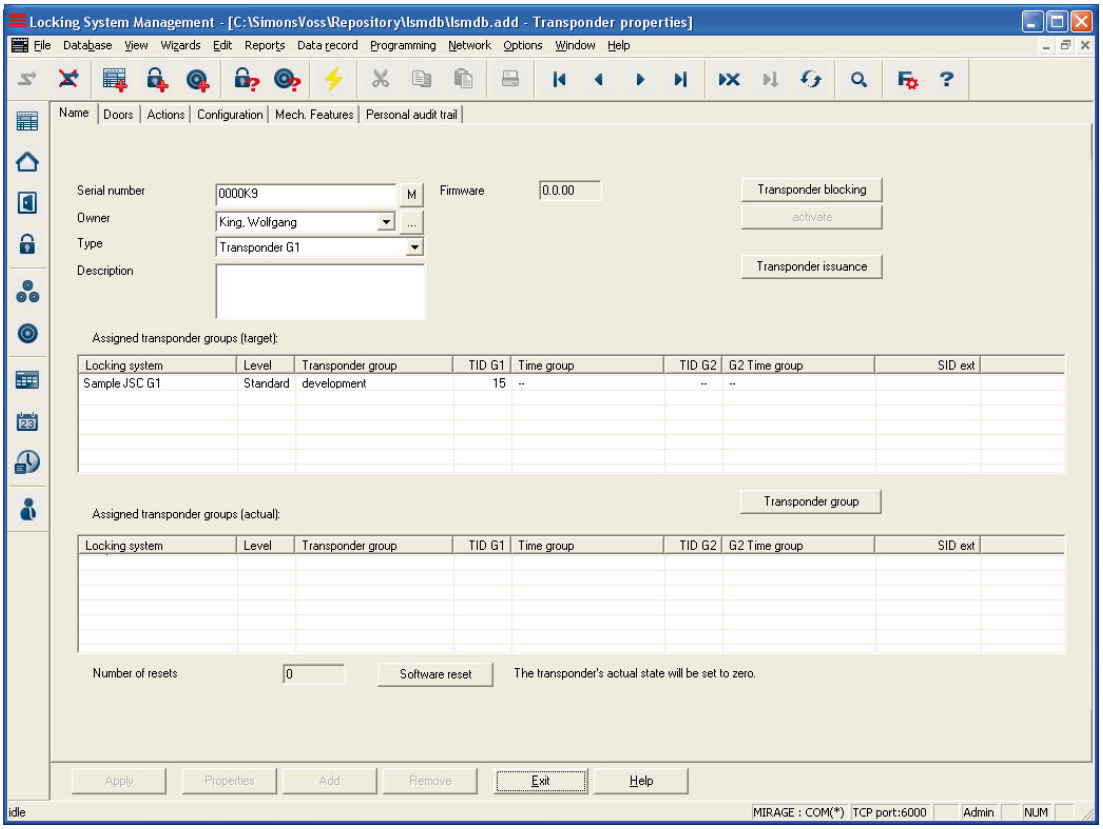
PROCEDURE

- **➲ Edit**
- **➲ Transponder properties**

**or**

- **Right-click on the person / transponder**
- **Left-click on Properties**
- **Left-click on Transponder**

## TRANSPONDERS – NAME

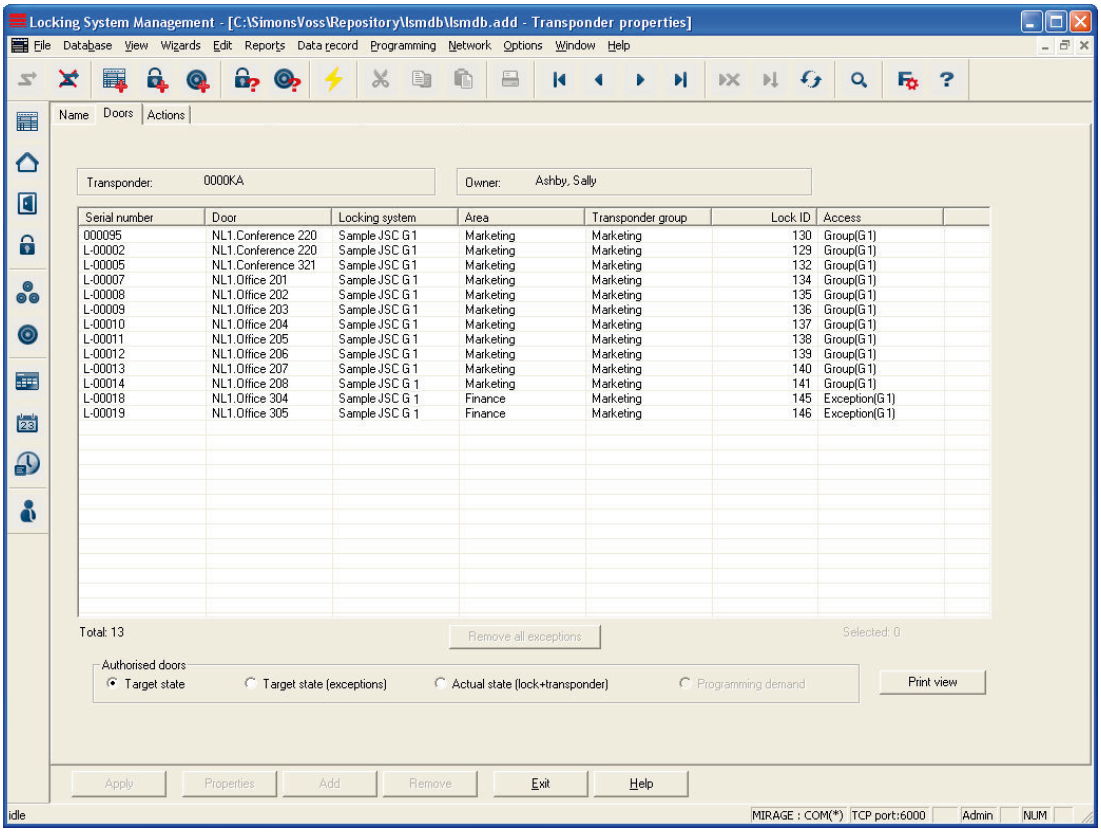

Locking System Management - [C:\SimonsVoss\Repository\lsmdb\lsmdb.add - Transponder properties]
File Database View Wizards Edit Reports Data record Programming Network Options Window Help
Name Doors Actions Configuration Mech. Features Personal audit trail
Serial number
0000K9
M
Firmware
0.0.00
Transponder blocking
activate
Owner
King, Wolfgang
Type
Transponder G1
Description
Transponder issuance
Assigned transponder groups (target):
Locking system Level Transponder group TID G1 Time group TID G2 G2 Time group SID ext
Sample JSC G1 Standard development 15 -- -- --
Transponder group
Assigned transponder groups (actual):
Locking system Level Transponder group TID G1 Time group TID G2 G2 Time group SID ext
Number of resets
0
Software reset
The transponder's actual state will be set to zero.
Apply Properties Add Remove Exit Help
idle
MIRAGE : COM(*) TCP port:6000
Admin
NUM

## EXPLANATION

| | | |
|---|---|---|
| **“Serial number”** | → | **Serial number of transponder** |
| **“M”** | → | **Indicates the transponder in the matrix** |
| **“Owner”** | → | **Person transponder is assigned to** |
| **„…“** | → | **Links to the properties for the person** |
| **“Type”** | → | **Type of transponder** |
| **“Description”** | → | **Free field for describing the transponder** |
| **Deactivate** | → | **Button for deactivating a transponder** |
| **“Activate”** | → | **Button for activating a transponder** |

| | | |
|---|---|---|
| **Transponder issue** | → | **Displays the form to be signed** |
| **“Assigned transponder gr. (target)”** | → | **Target status: intended assignment of transponder to a transponder group** |
| **“Assigned transponder gr. (actual)”** | → | **Actual status: current assignment of transponder to a transponder group** |
| **Software reset** | → | **Button for resetting the software’s actual status** |

# TRANSPONDERS – DOORS


Locking System Management - [C:\SimonsVoss\Repository\lsmdb\lsmdb.add - Transponder properties]
File Database View Wizards Edit Reports Data record Programming Network Options Window Help
Name Doors Actions
Transponder: 0000KA
Owner: Ashby, Sally
Serial number | Door | Locking system | Area | Transponder group | Lock ID | Access
000095 | NL1.Conference 220 | Sample JSC G1 | Marketing | Marketing | 130 | Group(G1)
L-00002 | NL1.Conference 220 | Sample JSC G1 | Marketing | Marketing | 129 | Group(G1)
L-00005 | NL1.Conference 321 | Sample JSC G1 | Marketing | Marketing | 132 | Group(G1)
L-00007 | NL1.Office 201 | Sample JSC G1 | Marketing | Marketing | 134 | Group(G1)
L-00008 | NL1.Office 202 | Sample JSC G1 | Marketing | Marketing | 135 | Group(G1)
L-00009 | NL1.Office 203 | Sample JSC G1 | Marketing | Marketing | 136 | Group(G1)
L-00010 | NL1.Office 204 | Sample JSC G1 | Marketing | Marketing | 137 | Group(G1)
L-00011 | NL1.Office 205 | Sample JSC G1 | Marketing | Marketing | 138 | Group(G1)
L-00012 | NL1.Office 206 | Sample JSC G1 | Marketing | Marketing | 139 | Group(G1)
L-00013 | NL1.Office 207 | Sample JSC G1 | Marketing | Marketing | 140 | Group(G1)
L-00014 | NL1.Office 208 | Sample JSC G1 | Marketing | Marketing | 141 | Group(G1)
L-00018 | NL1.Office 304 | Sample JSC G1 | Finance | Marketing | 145 | Exception(G1)
L-00019 | NL1.Office 305 | Sample JSC G1 | Finance | Marketing | 146 | Exception(G1)
Total: 13
Remove all exceptions
Selected: 0
Authorised doors
Target state
Target state (exceptions)
Actual state (lock+transponder)
Programming demand
Print view
Apply Properties Add Remove Exit Help
idle
MIRAGE : COM(*) TCP port:6000 Admin NUM

# EXPLANATION

**“Transponder”** → **Serial number of transponder**

**“Owner”** → **Person transponder is assigned to**

**Table**

**“Authorised doors”** → **Selectable display.**

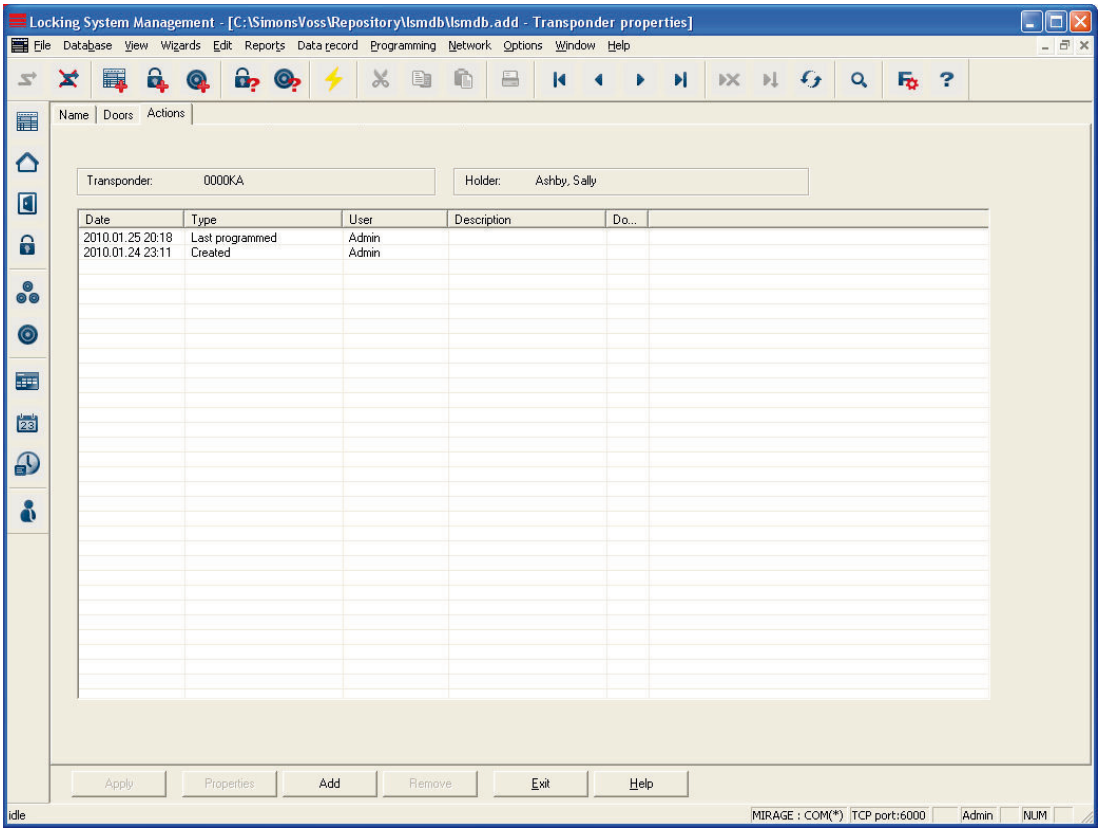
**Target status:**
**Displays the intended authorisations on locks**

**Target status (exceptions):**
**Displays the intended authorisations on locks based on changes to the group rights**

**Actual status**

| | | |
|---|---|---|
| | | **Displays the authorisations still to be programmed on the locks** |
| **“Print view”** | → | **Displays the table in a print-friendly view** |

# TRANSPONDERS – ACTIONS


Locking System Management - [C:\SimonsVoss\Repository\lsmdb\lsmdb.add - Transponder properties]
File Database View Wizards Edit Reports Data record Programming Network Options Window Help
Name Doors Actions
Transponder: 0000KA
Holder: Ashby, Sally
Date Type User Description Do...
2010.01.25 20:18 Last programmed Admin
2010.01.24 23:11 Created Admin
Apply Properties Add Remove Exit Help
idle
MIRAGE : COM(*) TCP port:6000 Admin NUM

## EXPLANATION

**Table** → **Provides an overview of the actions performed on the transponder. Entries can be created automatically or manually.**

**Add** → **Add can be used to create manual entries**

**Remove** → **Remove can be used to delete manual entries**

## POSSIBLE MANUAL ACTIONS

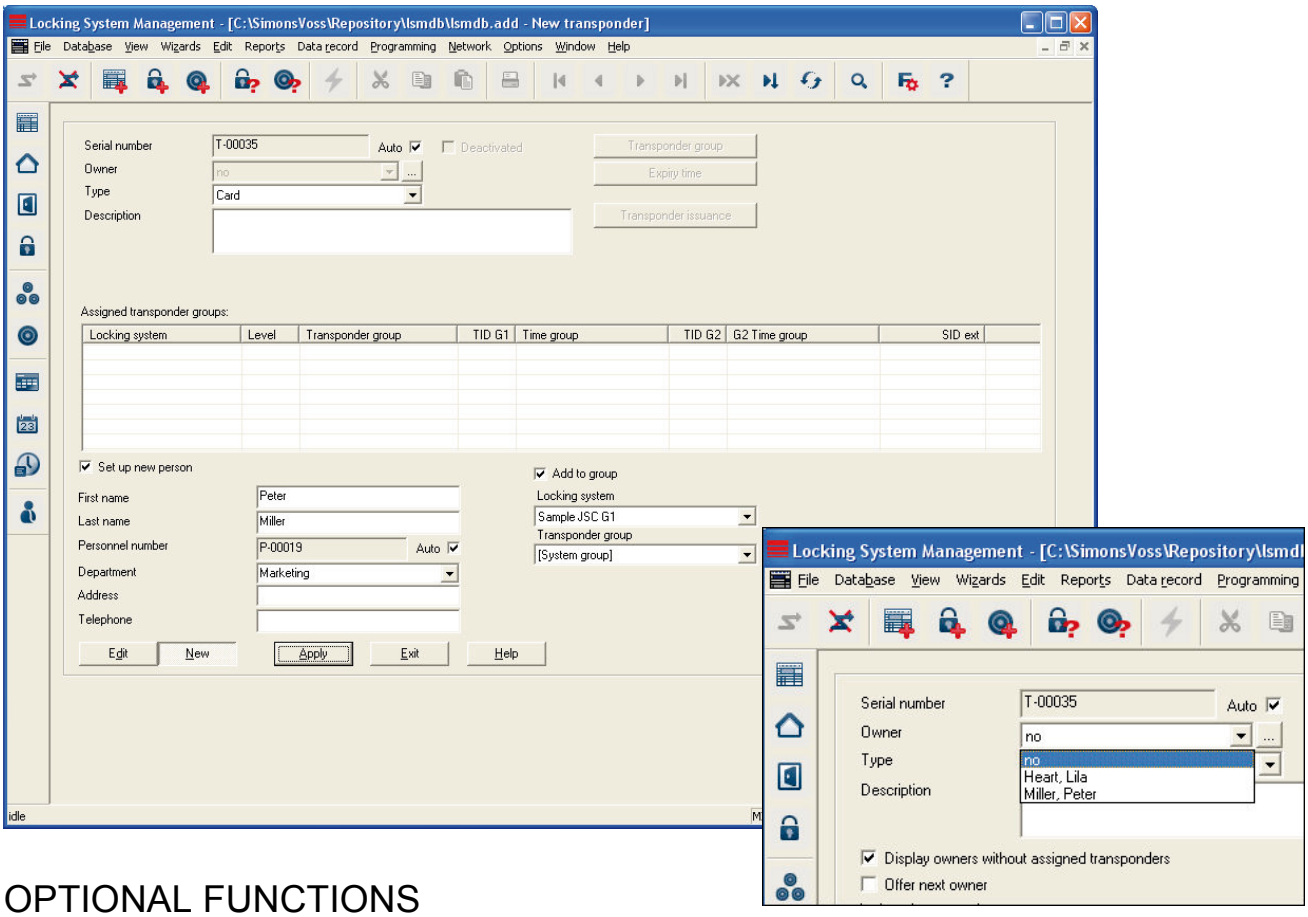
- **Issue**
- **Withdrawal implemented**

- **Withdrawal planned**

## 1.5.3 CREATING TRANSPONDERS

### PROCEDURE

- ➲ **Edit**
- ➲ **Transponder**
- **New**
- **For the serial number enter the number of the transponder or leave the default number**
- **Select person**
- **Select the type of transponder**
- **Enter a description**




### OPTIONAL FUNCTIONS

- **Display and select an existing owner**
- **Create new person**
- **Select locking system**

- **Select transponder group**

**When you click Apply, the transponder is saved. You can now create another transponder as the New button has already been activated**

EXPLANATION

| | | |
|---|---|---|
| **"Create new person" – (first name, surname...)** | → | **Personal details of person** |
| **"Add to group" – locking system** | → | **Locking system in which the person is created** |
| **"Add to group" – transponder group** | → | **Transponder group in which the person is created** |

## 1.5.4 EDITING TRANSPONDERS

PROCEDURE

- **Select icon**
- **Select transponder using arrow buttons**

**or**

- **➲Edit**
- **➲ Transponder properties**
- **Select transponder using arrow buttons**

**or**

- **Select the person you want to modify in the matrix**
- **Right-click**
- **Left-click on "Properties"**
- **Left-click on Transponder**

**or**

- **Select the person you want to modify in the matrix**
- Ctrl+Shift+O

**or**

- **Right-click on any transponder in the matrix**
- **Left-click on "Search"**

- **Select object**
- **Define property (e.g. surname)**
- **Enter designation or part of designation you want to search for**
- **Search**
- **Highlight the data record you want in the result set**
- **Select properties in “Navigation to view”**
- **Click on Execute to go to the transponder overview**

**then**

- **Modify data**
- **Apply**

## 1.6. PERSONS

### 1.6.1 GENERAL INFORMATION ABOUT PERSONS

ICON

EXPLANATION

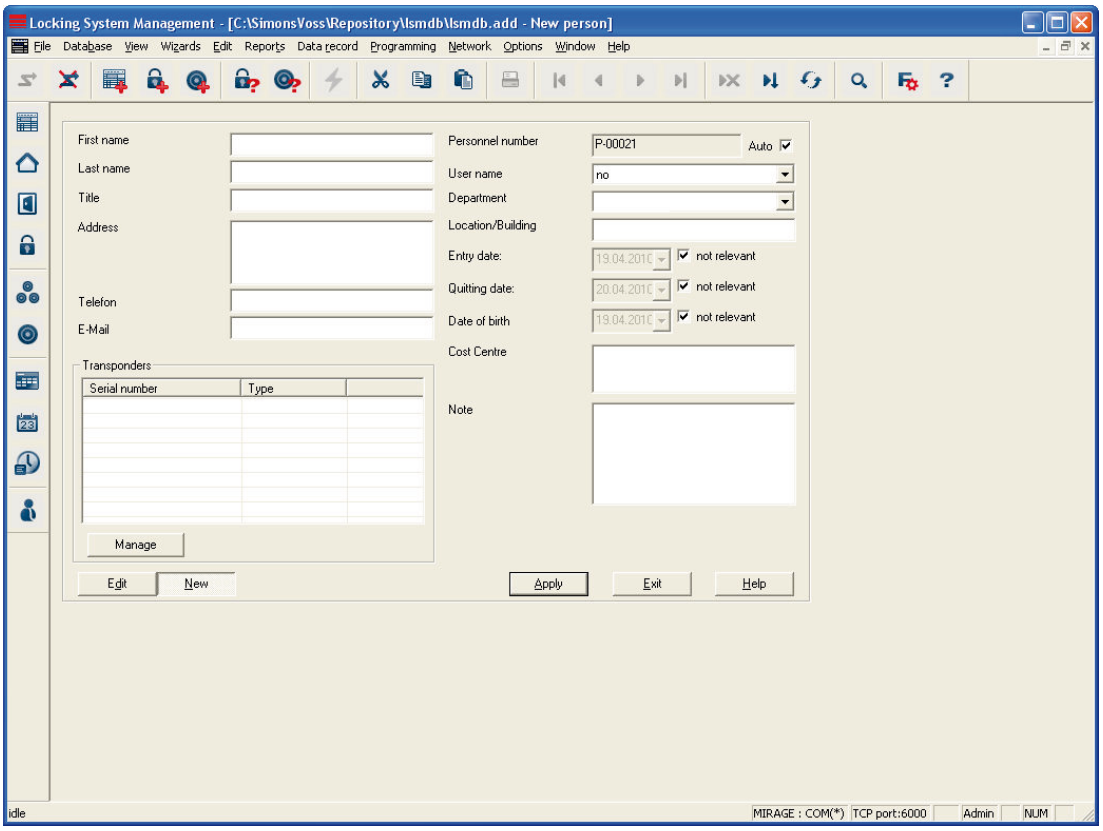
**The person is used to manage additional information and is the assigned owner of one or more transponders.**

PROCEDURE

- **➲ Edit**
- **➲ Person**

**or**

- **Right-click on a person**
- **Left-click on “Properties”**
- **Left-click on “Person”**




## EXPLANATION

| | | |
|---|---|---|
| **“First name”** | → | **First name of transponder owner** |
| **“Surname”** | → | **Surname of transponder owner** |
| **“Title”** | → | **Academic salutation of transponder owner** |
| **“Address”** | → | **Address of transponder owner** |
| **“Tel”** | → | **Phone number of transponder owner** |
| **“E-mail”** | → | **E-mail of transponder owner** |
| **“Employee number”** | → | **Employee number (must be unique), can be modified** |
| **“User name”** | → | **Specifies whether the person is also an LSM user** |
| **“Department”** | → | **Department of transponder owner** |
| **“Site/Building”** | → | **Site/building in which the tran-** |

| | | |
|---|---|---|
| | | **sponder owner is located** |
| **“Employed from”** | → | **Start date of employment contract** |
| **“Employed until”** | → | **End date of employment contract** |
| **“Date of birth“** | → | **Date of birth of transponder owner** |
| **“Cost centre”** | → | **Cost centre of transponder owner** |
| **“Comments”** | → | **Free field for describing the transponder owner** |
| **Manage** | → | **Transponders can be added or removed** |

## 1.6.2 CREATING A PERSON

PROCEDURE

- **Edit**
- **Person**

**or**

- Ctrl+Shift+P

**then**

- **New**
- **In Manage, select a free transponder if necessary**
- **Enter details of person**
- **Apply**
- **New**

## 1.6.3 EDITING PERSONS

PROCEDURE

- **Select icon**
- **Select person using arrow buttons**

**or**

- **➲Edit**
- **➲Person**
- **Select person using arrow buttons**

**or**

- **Select the person you want to modify in the matrix**
- **Right-click**
- **➲Properties**
- **➲Person**

**or**

- **Right-click on any person in the matrix**
- **➲Search**
- **Select object**
- **Enter designation or part of designation you want to search for**

- **Search**
- **Highlight the data record you want in the result set**
- **Select properties in “Navigation to view”**
- **Click on Execute to go to the person overview**

**then**

- **Modify data**
- **Apply**

# 3. PROGRAMMING PROCESSES

## 1.7. GENERAL

### EXPLANATION

**A programming requirement applies when a right is modified and a component has not yet been programmed, or if the software detects a difference between the actual and target status. Before programming it is important to ensure that the view is up to date and the data has been backed up.**

ICON 

### PROCEDURE

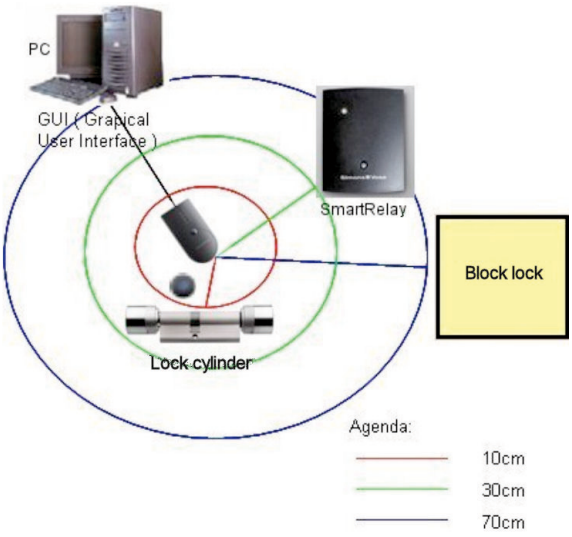
**(To display the programming requirement in the matrix)**

- **➲ Options**
- **➲ Extra columns**
- **Select object**
- **Programming requirement**

## 1.8. POSITION COMPONENTS

### EXPLANATION

**To achieve optimum results and avoid programming errors, a defined distance should be maintained between the programming device and the components you want to program.**



NOTE

**If the distance is too little or too great, errors may occur. When programming the card, please lay the card on the SmartCD.C.**

## 1.9. READ

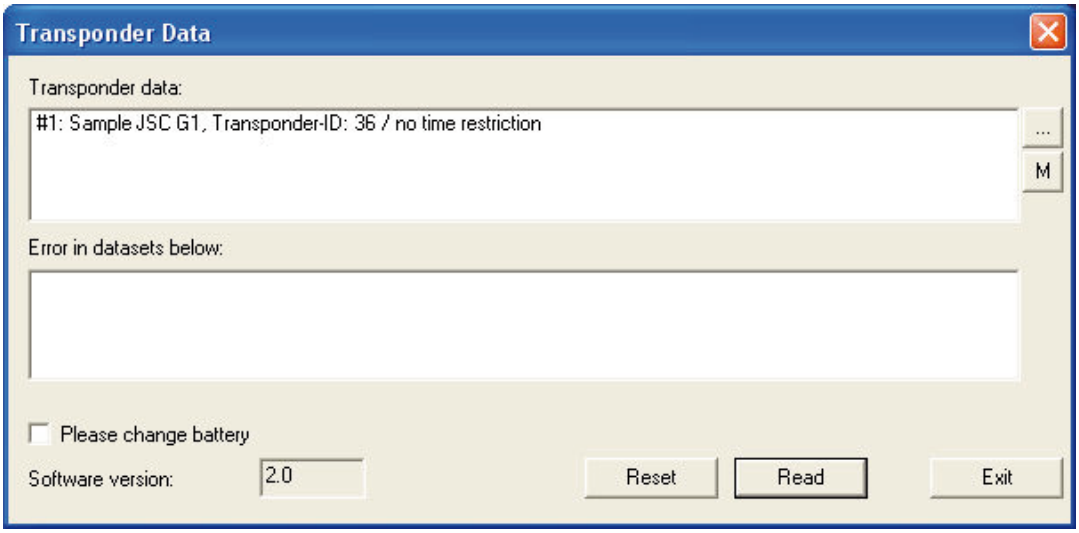
### 1.9.1 READ CARD

EXPLANATION

**When you read the card, the data stored on it is read with the aid of the SmartCD.C and if possible assigned to an owner.**

PROCEDURE

- **Position card (see 1.8 Position components)**
- **➲ Programming**
- **➲ Read/reset card**




EXPLANATION

| | | |
|---|---|---|
| **"Transponder data"** | → | **All of the data on the card is displayed: programmed data records, the locking system ID, transponder ID and time group** |
| **"The following data records contained …"** | → | **Indicates any defective data records** |
| **"Battery must be replaced"** | → | **Status of transponder battery. If the battery is low, a tick appears in the box (does not apply to cards)** |
| **"Software version"** | → | **Firmware status of transponder/card** |
| **…** | → | **Indicates the properties of the read card** |
| **M** | → | **Indicates the read card in the matrix** |

NOTE

**When you read the card, it is simultaneously highlighted in the locking plan.**

# 1.10. PROGRAMMING

## 1.10.1 PROGRAMMING A CARD

### EXPLANATION

**When you program the card, you tell it what its transponder ID is, which locking system it belongs to, what the password for the locking system is and which time group it belongs to.**

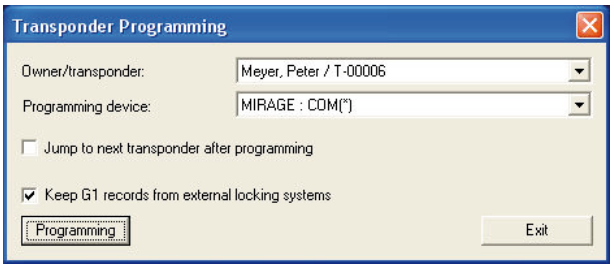
ICON 

### PROCEDURE

- **Position card (see 1.8 Position components)**
- **Select card in matrix**
- **➲ Programming**
- **➲ Transponder**
- **Program**

**or**

- **Position card (see Position components)**
- **Select card in matrix**
- **➲ Click on the programming lightning icon in the toolbar**
- **Program**



EXPLANATION

| | | |
|---|---|---|
| **“Owner / Transponder”** | → | **The owner and the serial number of the card are displayed and can be selected. If a card has already been programmed, the owner and UID are displayed** |
| **“Programming device”** | → | **The programming device required for the medium is automatically selected.** |
| **“Jump to next ...”** | → | **When this option is selected, you jump to the next unprogrammed transponder (in alphabetical order) and the window stays open** |
| **“Keep G1 records ...”** | → | **When this option is selected, data records from other locking systems are not overwritten. An additional data record is written when you program the transponder, assuming that there is another free data record available (does not apply to cards)** |

## 1.11. RESETTING

### 1.11.1 RESETTING A CARD

EXPLANATION

**When a card is reset, the data stored on it is removed and the card’s actual status is deleted in the software.**

PROCEDURE

- **Position card (see 1.8 Position components)**
- **Select person in the matrix**
- **➲ Programming**

- ➲ **Read/reset card**
-

Note

**If a card is not recognised, it can be reset by specifying the sector number and the locking system password.**

# 4. MISCELLANEOUS

## 1.12. CREATING A REPLACEMENT CARD

USE

**This procedure should be used when a card has been lost.**

EXPLANATION

**When you create a replacement card, the original card is blocked and a new one is created with the same authorisations and a similar designation.**

PROCEDURE

- **Right-click on the original card**
- **➲ New**
- **➲ Replacement transponder**
- **Confirm query with Yes**
- **Enter additional information and confirm**
- **Enter new serial number**

RESULTS

- **Card needs to be programmed**
- **Affected locks need to be programmed**
- **The card's ID number is permanently blocked**

## 1.13. PROCEDURE FOR DEFECTIVE CARDS

### EXPLANATION

**If a card is defective, you must tell the software that the old card no longer works before programming a new one.**

### PROCEDURE

- **Right-click on the original card**
- **➲ Properties**
- **➲ Transponder**

**or**

- **➲ Edit**
- **➲ Transponder**
- **Select card using arrow buttons**
  **If you are working with a large number of data records, it is much easier to select it using the search function. To do this, highlight the field to be searched, then select the magnifying glass in the icon list and enter the search term in the screen that appears.**
-

**then**

- **Software reset**
- **Select reason**
- **Enter additional information if required**
- **Confirm twice with Yes**
- **You can now start programming the new card**

### RESULTS

- **Actual status of the original card is reset**

### NOTE

**Resetting the software and then programming another card can lead to a security loophole. It is possible to create two cards with the same data. It must be ensured that the original card really is defective. Otherwise a replacement card must be created (see 0**

**Creating a replacement card).**

# 5. Service and Support

## PRODUCT SUPPORT

**If customers have any questions relating to products from Simons-Voss Technologies AG, the general support team will be happy to help:**

**Tel +49 (0) 1805 78 3060**

**The product hotline does not offer support for the LSM Business and Professional software.**

## SOFTWARE SUPPORT

### SUPPORT STANDARD

**For customers with a chargeable Support Standard software agreement, the following support options are also available:**

**E-mail lsm-support@simons-voss.de**
**Tel +49 (0) 1805 57 3060**

### SUPPORT PREMIUM

**For customers with a chargeable Support Premium software agreement, the following support options are also available:**

**E-mail lsm-support@simons-voss.de**
**Tel +49 (0) 1805 57 3060**

**Online support tool**

- **Short call to LSM hotline**
- **Launch LSM**
- **➲ Help**
- **➲ SimonsVoss Online Support**

# 6. Glossary

A

Access lists

**Storage of transponder data in the locks with access control function. Please note the valid health and safety and data protection regulations when using this data.**

Alerts

**You can use alerts to promptly display certain statuses.**

Area

**The area is a combination of several doors.**

Audit-compliant

**A log is described as audit-compliant if the information about changes in a system in the database is archived such that it can be found again and traced, cannot be changed and is protected from falsification.**

C

Checkbox

**Option of selecting a property in the graphic interface**

D

Database-supported

**Software that stores data in a specified structure, the database. The locking system database includes the locking plan and the locking systems.**

Door

**You have the option of saving additional information on the door, which also manages the locks.**

E

Emergency opening

**Procedure for opening a lock without an authorised transponder. Emergency opening is protected by passwords.**

Event

**An event is a change in status reported to LSM via the network.**

Export

**During the export process, the selected locking plan data is transferred to the PocketPC.**

F

Filter

**A filter limits the view to data grouped / sorted by the selected property**

G

Group authorisation

**Group authorisations provide the option of authorising several transponders to several locks at the same time.**

GUI

**Graphical User Interface for operating the software.**

H

Handheld

**A handheld / PocketPC is a small computer that can be used for mobile programming.**

Hierarchy

**Hierarchy is a system of elements that are superordinate or subordinate to one another.**

I

Import

**During the import process the exported locks are transferred back to the locking system after processing.**

L

Lock

**Lock can be understood as meaning SimonsVoss products that evaluate an authorisation and enable opening.**

Locking plan

**The locking plan contains all the authorisation and system information, user management and may include several locking systems.**

Locking system

**The locking system structures the created transponders and doors and manages access authorisations.**

LON

**LON is a wired communication system for building automation. SimonsVoss components can network technology and products that meet this standard and therefore be operated online**

LSM Mobile

**Software for a handheld / PocketPC for mobile man-**

**agement and programming of the locking system.**

M

Matrix

**The matrix is the graphical view of authorisations in LSM.**

N

Network

**The SimonsVoss network enables the locks to be directly addressed without the programming device.**

Network address

**The network address allows you to clearly recognise each lock node, which is fitted on the door and stored in the software as being assigned to the door.**

O

OMRON mode

**All product versions can be operated in OMRON mode. If you would like the Smart Relay to transfer the transponder data to an external system and a remote opening command to be sent to the cylinder when transfer is activated from the Smart Relay by the external system, select this option on both the Smart Relay and the cylinder. Please note: If you use this configuration, it is no longer possible to open the cylinder using the transponder! Please refer to the Smart Relay Manual for an exact description.**

Overlay mode

**In overlay mode 8 transponder IDs are reserved for a created transponder and programmed into the authorised locks. If the first transponder is lost, the transponder ID is deactivated in the software and the new transponder is assigned the next transponder ID from the reserve TIDs. When the transponder is used to open a lock, the system recognises that this is one of the 7 reserve TIDs and deactivates the previous transponder ID.**

P

Password

**The security of passwords depends on the complexity and length of the password. Passwords are used to protect the locking**

**system in several parts of the system**

Period of validity

**The period of validity is a time frame in which the transponder will function. The transponder is deactivated outside this time frame.**

Person

**Person allows you to store additional information about a user.**

PocketPC

**A handheld / PocketPC is a small computer that can be used for mobile programming of locks.**

Programming requirement

**Programming is required if there is a difference between the actual and target status, either due to a change in access authorisations or configurations.**

Public holiday

**National or company-specific holiday or period of several days off.**

Public holiday list

**A public holiday list is a compilation of selected public holidays and is used in the time zone plans.**

R

Reserve

**A reserve shows the number of G1 transponder IDs in the selected transponder group.**

Reset

**During the reset process the data on the object is deleted and the actual status of the software set to "unprogrammed"**

S

Search

**Search enables you to jump directly to an object in the locking system or database**

T

Task list

**List of tasks available in the system**

Time group

**A transponder can be assigned to a time group and when used in conjunction with a time zone plan, creates time-controlled access.**

Time group name

**Time group name is the pre-defined time group name assigned to the time group number of a transponder**

Time group number

**The time group number of a transponder can be set individually and is specified by the administrator. The transponder is approved or rejected in a lock time zone plan according to this group.**

Time zone

**Time zones are areas that can only be accessed by certain transponder groups at certain times.**

Time zone plan

**Object for time-controlled access on locks for areas and transponders. Public holiday lists can also be incorporated here.**

Transponder

**The transponder is the "electronic key" in the system 3060.**

Transponder group

**The transponder groups is a combination of several transponders for managing group rights.**

W

WaveNet

**WaveNet is an extremely flexible SimonsVoss network that can use both wired and wireless connections.**

Write access

**The right to make changes. Certain roles in LSM user management, such as using handheld devices, managing a network or configuring a network, require write access in the database before they can be performed.**